

AMENDMENTS TO THE SPECIFICATION

In the specification at page 1, after the title, please insert the following new paragraph:

RELATED APPLICATIONS

This application is a national stage application (under 37 U.S.C. 371) of PCT/EP02/07281 filed July 2, 2002, which claims benefit of German application 101 31 786.7 filed July 4, 2001.

In the specification at page 8, please replace paragraph [0030] with the following amended paragraph:

[0030] Figure 7. Diagrams of exemplary embodiments of the invention. Figure 7a illustrates the appearance of double-strand breaks and the homologous recombination between the homologous U sequences, brought about by the action of the DSB1 enzyme, whereby firstly the sequences located between the homologous U sequences are deleted and secondly the GUS gene is restored. Figure 7b shows the same system as described under Figure 7a, however, in contrast, no homologous recombination takes place in the present case, but illegitimate recombination by non-homologous end-joining, whereby the region between S1 and S2 is deleted owing to the two cleavage sites and the GUS gene is not restored. Figure 7c illustrates another representation of the two end products of the processes described under Figures 7a and 7b. A is the result of the homologous recombination and B is the result of the illegitimate recombination (non-homologous end-joining).